There are several notes I need to provide to aid you with the enclosed package. The original kits used 1/16" balsa. Since I wanted to print these directly on balsa sheet I developed the parts for 1/32" balsa sheet. As a result, some of the parts have been drawn to allow for cross grain laminations. The fuselage formers are a good example. This works fine as long as you are using 1/32" sheet stock.

If you do not have a printer that will allow direct printing on the balsa, consider using the iron on T-shirt transfer paper layouts provided via the parmodels.com web site. This material can be printed using any color inkjet printer. You can then transfer the part graphics to balsa sheet of any thickness using a regular clothes iron.

I like to use a removable nose for winding. The parts have been drawn with this in mind. The nose former has been drawn so a removable nose plug can be used. The FrogFlite series of models provides a piece of ¼" balsa for the nose block. The piece of balsa had to be cut to shape and then sanded to the nose profile. A template has been provided to aid cutting the nose block to the shape of the nose.

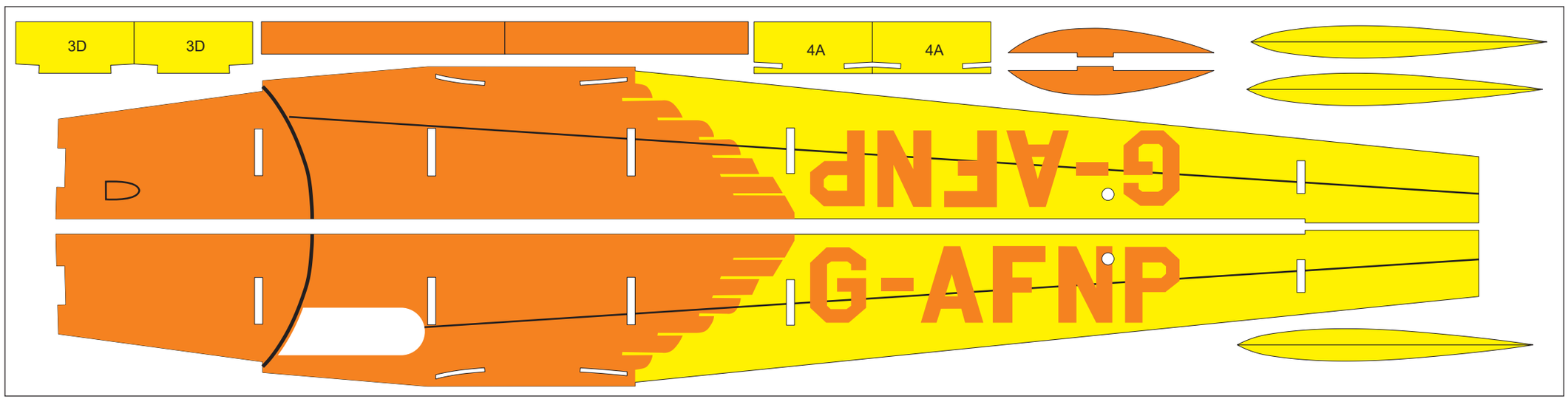
The kit included reinforcements for the rear motor peg. The parts in this package include the same rear motor peg reinforcement parts. The only difference is two sets of those parts are included to allow for models build from 1/32" balsa. This has proven to be plenty strong for a fully wound motor of 1/8" Tan rubber. A piece of 3/32" OD aluminum tubing is used for the rear motor peg.

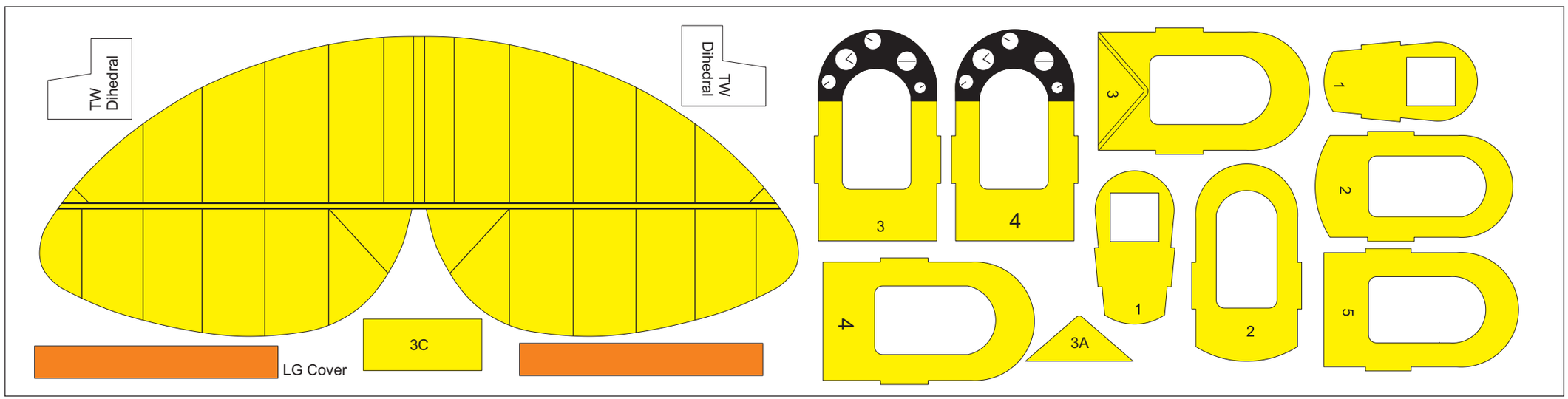
Landing gear leg covers have been added to allow for a more scale looking appearance and to make them more robust. Each cover is two laminations of 1/32" balsa that sandwiches the music wire landing gear leg in the middle of the laminations.

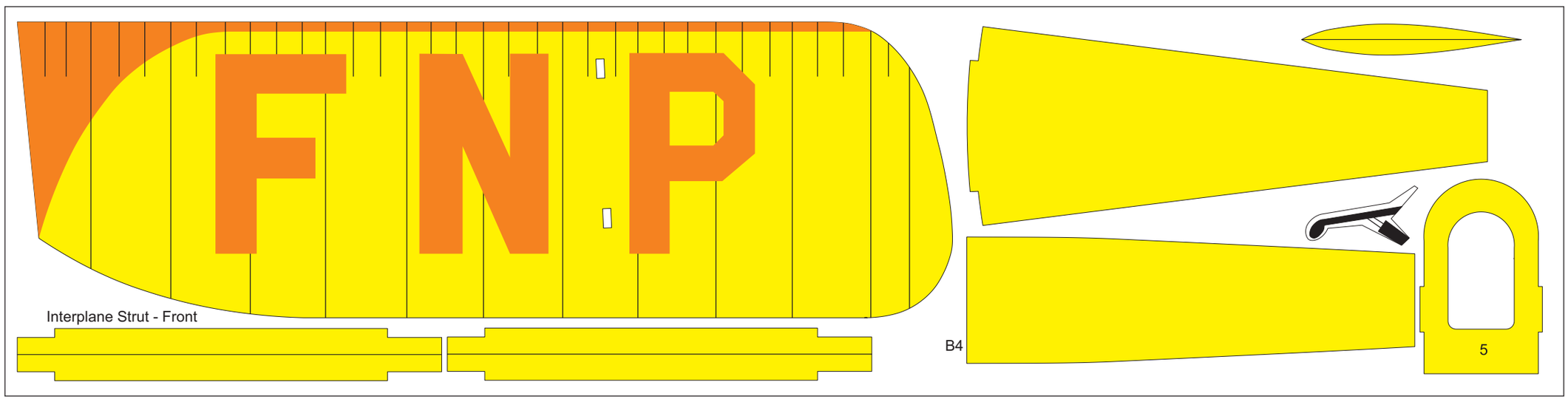
The original kit had some color markings printed on the balsa pieces. This reproduction drawing package uses enhanced markings that fill in the bare balsa areas of the original kit parts with color. Layouts are also provided for the top and bottom surfaces of the bottom wing. The original kit only had markings on the bottom surface. The model looks nicer when sitting on your table when the top wing surface also has color and markings.

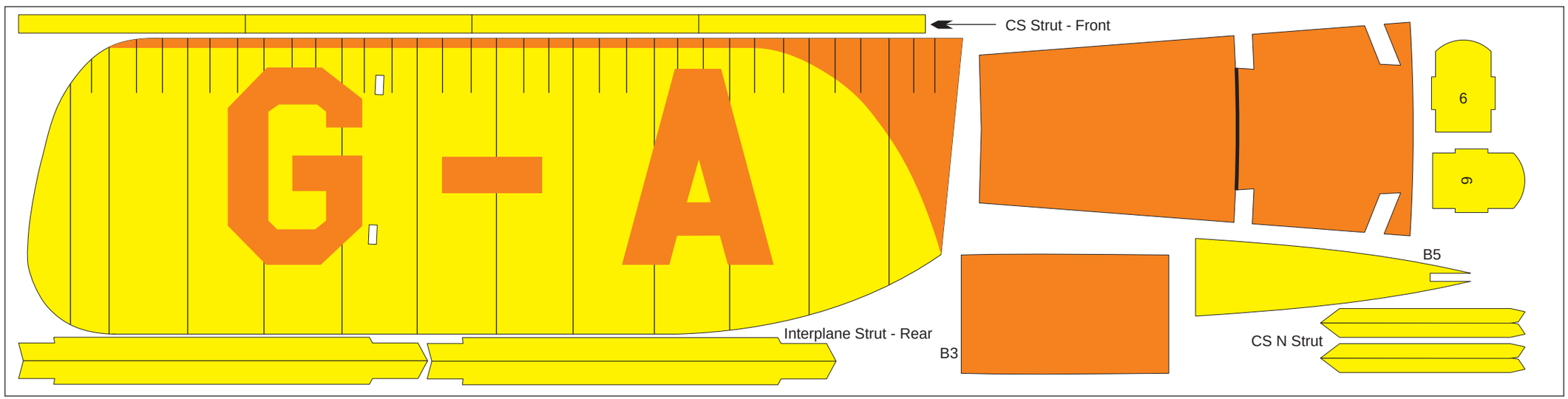
I do hope you build and enjoy a model from this plan package.

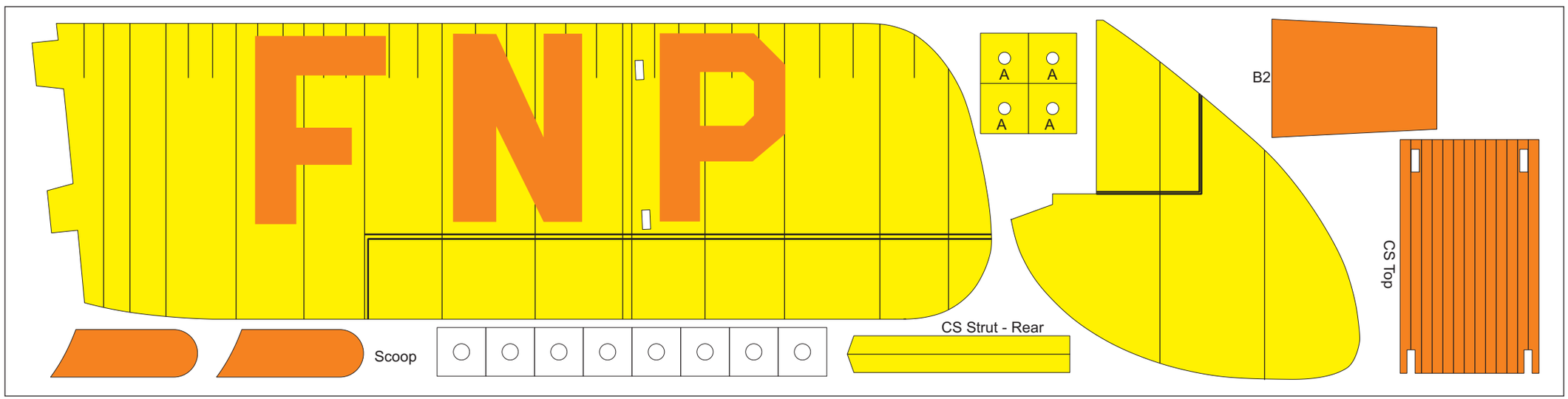
Paul Bradley


3D
3D
4A
4A
G-AFNP
G-AFNP

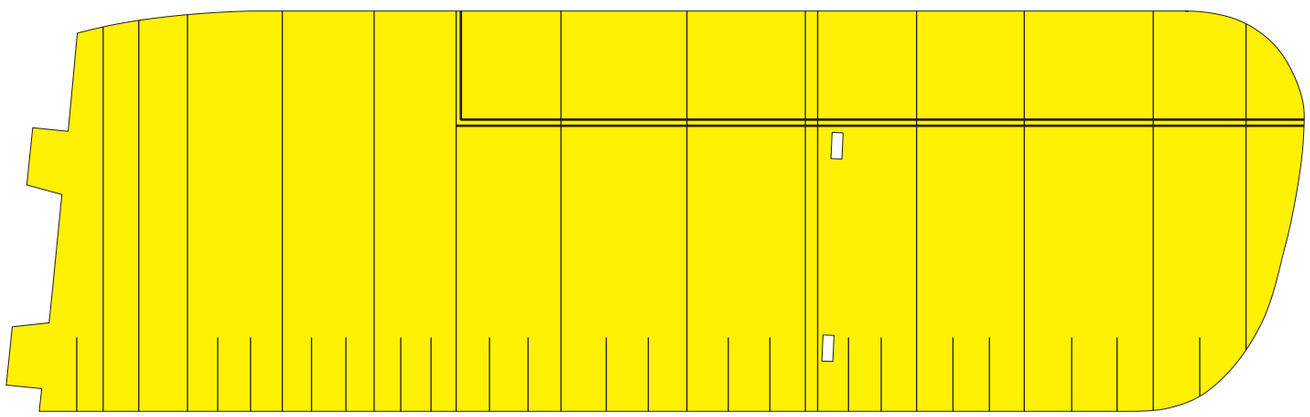

TW Dihedral
TW Dihedral
3C
LG Cover
3
4
3
1
2
4
3A
1
2
5

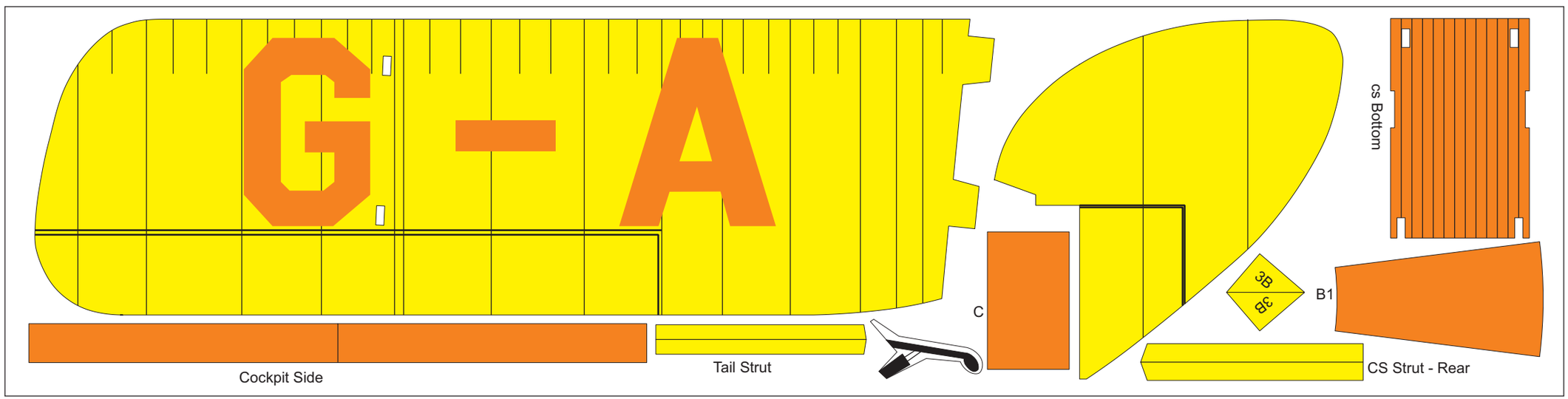

F N P
Interplane Strut - Front
B4
5


CS Strut - Front
G-IA
6
9
B5
Interplane Strut - Rear
B3
CS N Strut

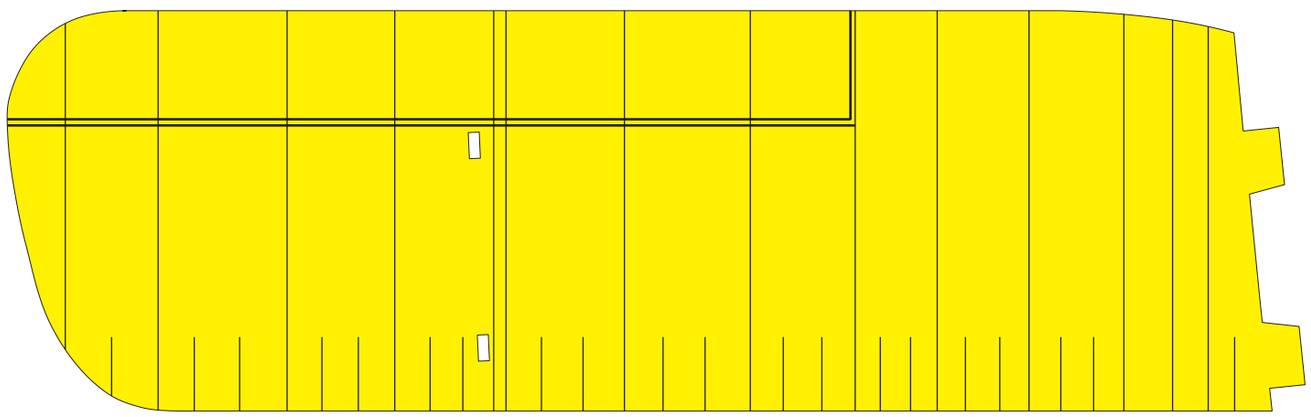

F N P
A
A
A
A
B2
CS Top
Scoop
CS Strut - Rear

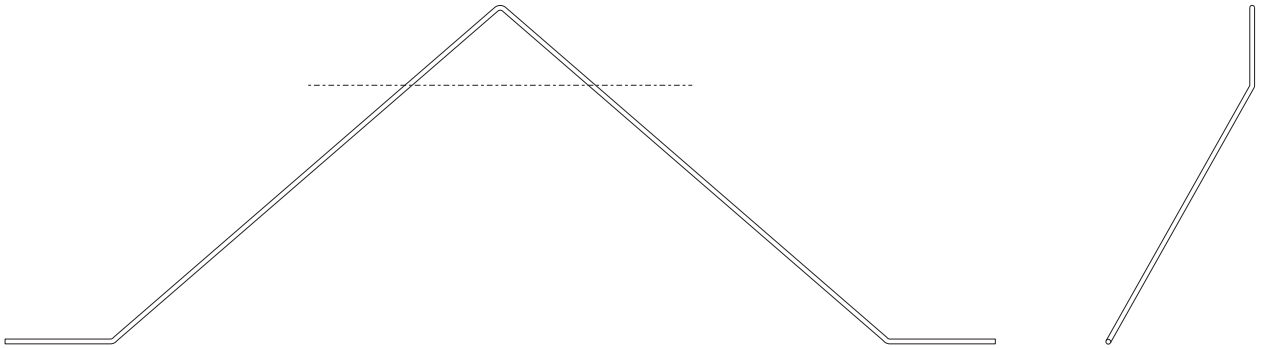
Top Side of the Bottom Wing



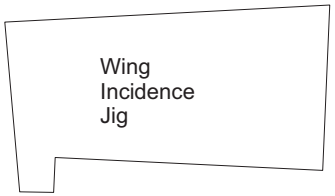

G-A
cs Bottom
3B
3B
B1
C
Cockpit Side
Tail Strut
CS Strut - Rear

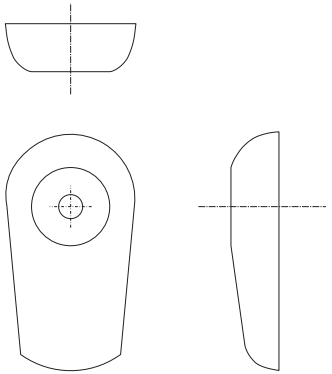
Top Side of the Bottom Wing

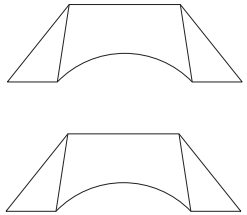




Landing Gear Pattern - Make from .025 music wire. Use two 3/4” Wheels





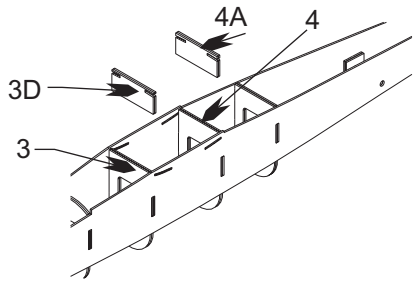


Windshields

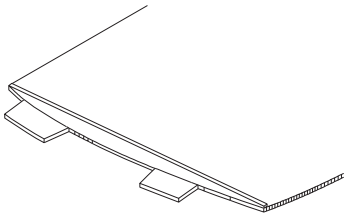
Nose Block - Make from 1/4” balsa

FrogFlite DeHavilland Tiger Moth

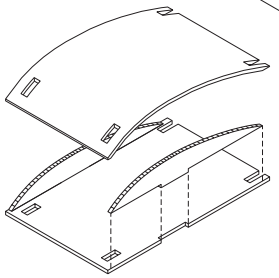
Modifications to Original



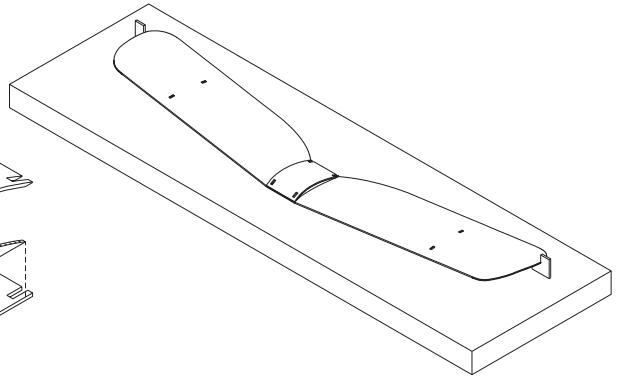
Fuselage formers 3D and 4A have been added. They set the dihedral angle of the lower wing. Ignore step 24 on the kit plan. Former 3D is glued to the rear face of former 3, and 4A is glued to the forward face of former 4. Make sure the slots line up with the fuselage slots. The dihedral guide shown in plan step 24 is not necessary with this modification.



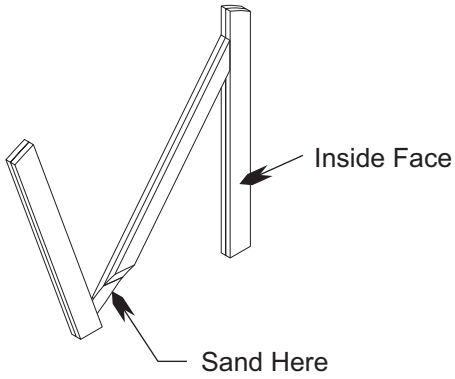
The shape of the lower wing root sections has been changed to fit the added dihedral support fuselage formers 3D and 4A. The single slot in the fuselage sides has also been replaced with two slots for the new lower wing root tabs.



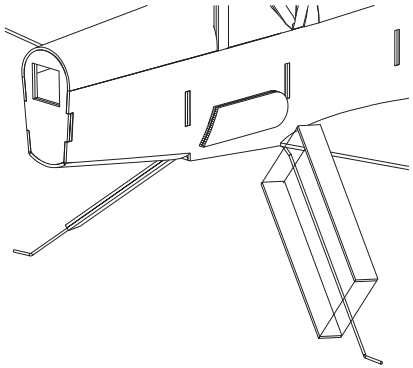
The upper wing center section has been revised to better represent the Tiger Moth fuel tank. The center section ribs are taller and slots have been added to the lower center section piece to accommodate tabs on the ribs.



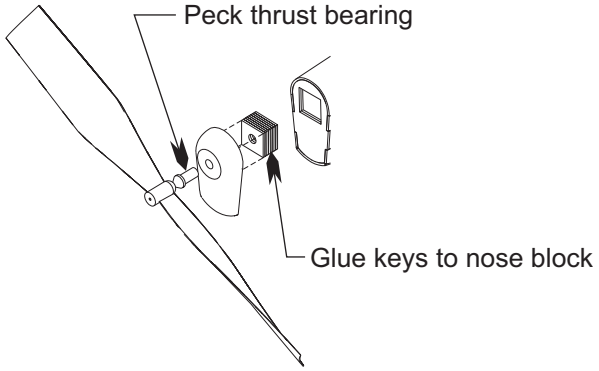
The upper wing is assembled before it is mounted on the model. Dihedral jigs have been provided to allow each upper wing panel to be glued to the center section. Ignore step 22 on the kit plan.



The center section N struts need to be sanded on the inside bottom face to match the shape of the forward fuselage top sheeting. This is not called out on the kit plan in step 22.



Landing gear leg covers have been provided. They sandwich the wire landing gear legs as shown.



The nose block is removable for stretch winding as opposed to the fixed block shown on the kit plan. The original kit laminated nose piece has been replaced with a nose block made from 1/4” balsa. Glue the laminated key block to the rear face of the nose block. Ignore step 18 on the kit plan.

FrogFlite DeHavilland Tiger Moth

HALES

QuickBuild SERIES
RUBBER POWERED FLYING SCALE MODELS

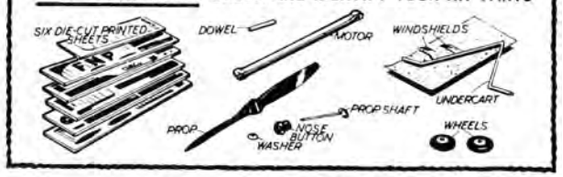
TIGER MOTH

FROGFLITE KITS

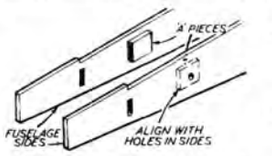
DESIGNED AND DRAWN BY RON WARRING.

MANUFACTURED IN ENGLAND BY:
BY A. A. HALES LTD. HINCKLEY, LEICS.

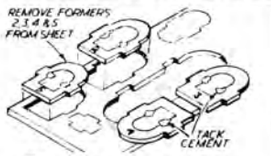
IMPORTANT: CHECK AND IDENTIFY YOUR KIT PARTS



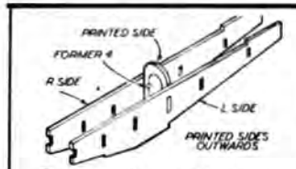
YOUR ASSEMBLY INSTRUCTIONS



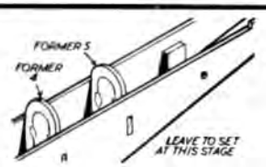
1 Cement small pieces marked A to inside of each side panel.



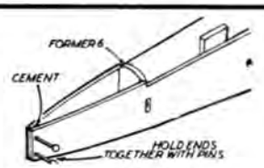
2 Temporarily fix inner pieces in formers with dabs of cement.



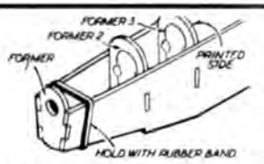
3 Assemble the two sides square on former 4. Cement neatly.



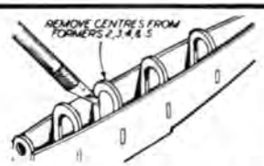
4 Now cement former 5 in pos'n. checking that assembly is true.



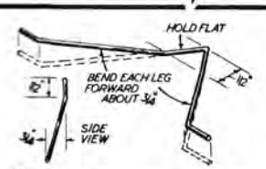
5 Fit former 6. Pull in ends and cement together truly.



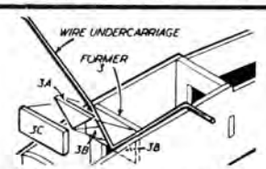
6 Complete basic fuselage assy. by adding formers 3, 2 and 1.



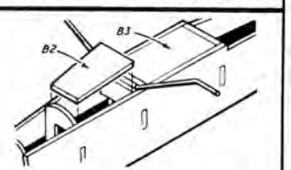
7 Now remove the centre cutouts carefully from main formers.



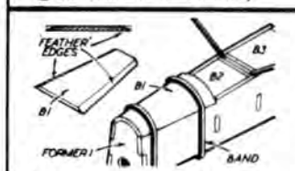
8 Each undercarriage leg must be bent to rake forwards.



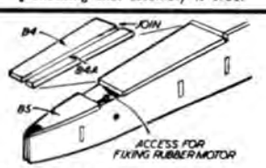
9 Undercarriage can now be fixed in pos'n. Use plenty of cement.



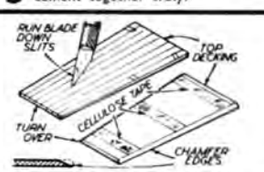
10 Cement in the two bottom pieces fitting between fuselage sides.



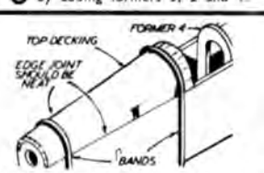
11 Taper off edges of B1 on plain side—then cement on fuselage.



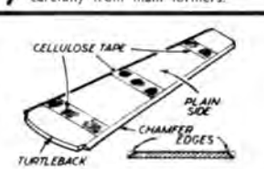
12 Join B4 & B4A—then complete planking on fuselage bottom.



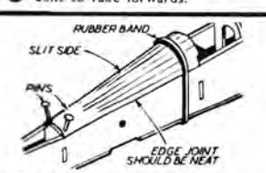
13 Run blade down score lines—tape back and chamfer edges.



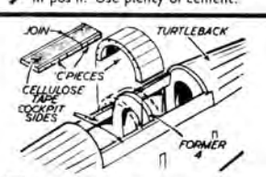
14 Bend decking round to fit and cement carefully in place.



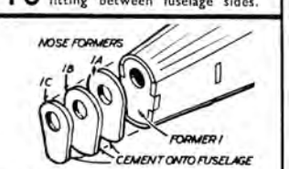
15 Prepare turtleback panel in the same way as top decking.



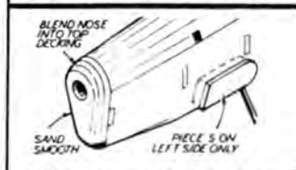
16 Cement turtleback in place-use pins and band to hold.



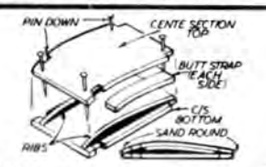
17 Cement 'C' pieces together and tape back before fitting.



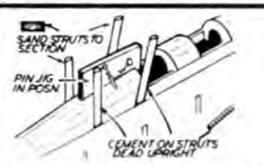
18 Cement on nose formers in order, aligned on hole.



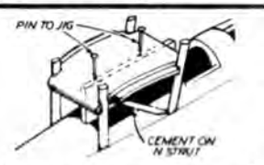
19 Sandpaper nose to shape and clean up all edge joints, etc.



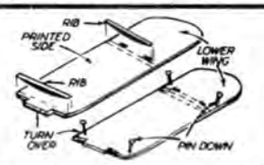
20 Assemble centre section—pin down until completely set.



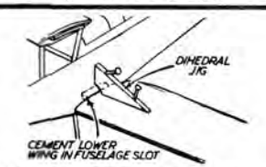
21 Pin wing incidence jig onto fuselage. Cement on struts.



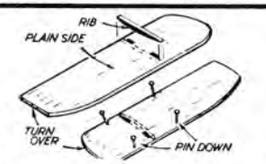
22 Now cement centre section to struts aligning accurately.



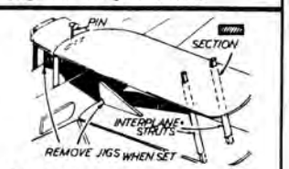
23 Cement ribs to lower wing-pin down as shown until set.



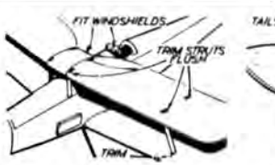
24 Cement lower wings in pos'n. aligning with dihedral jigs.



25 Cement rib to upper wing—pin down until set to curve.

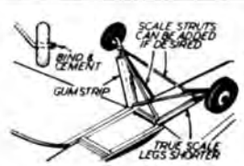


26 Assemble upper wings to C-S and cement struts in place

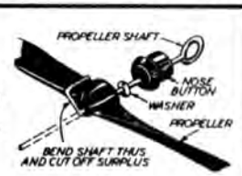


27 Trim all protruding struts flush with wing surface.

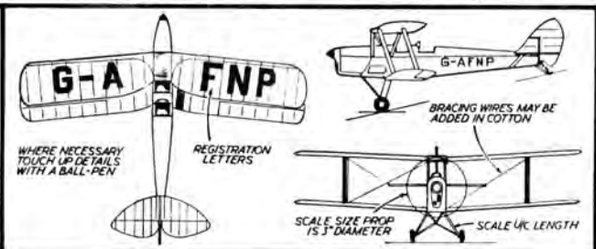
28 Cement on tailplane and fin, then fit struts and tailskid.

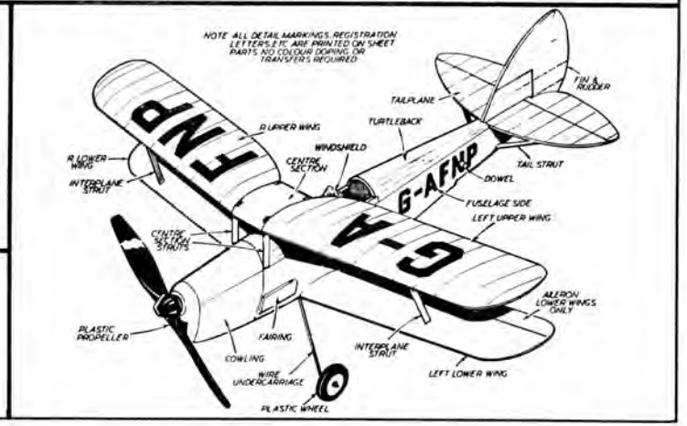


29 Fit wheels. Scale additions to undercarriage optional.



30 Make up propeller assembly from kit parts supplied.





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